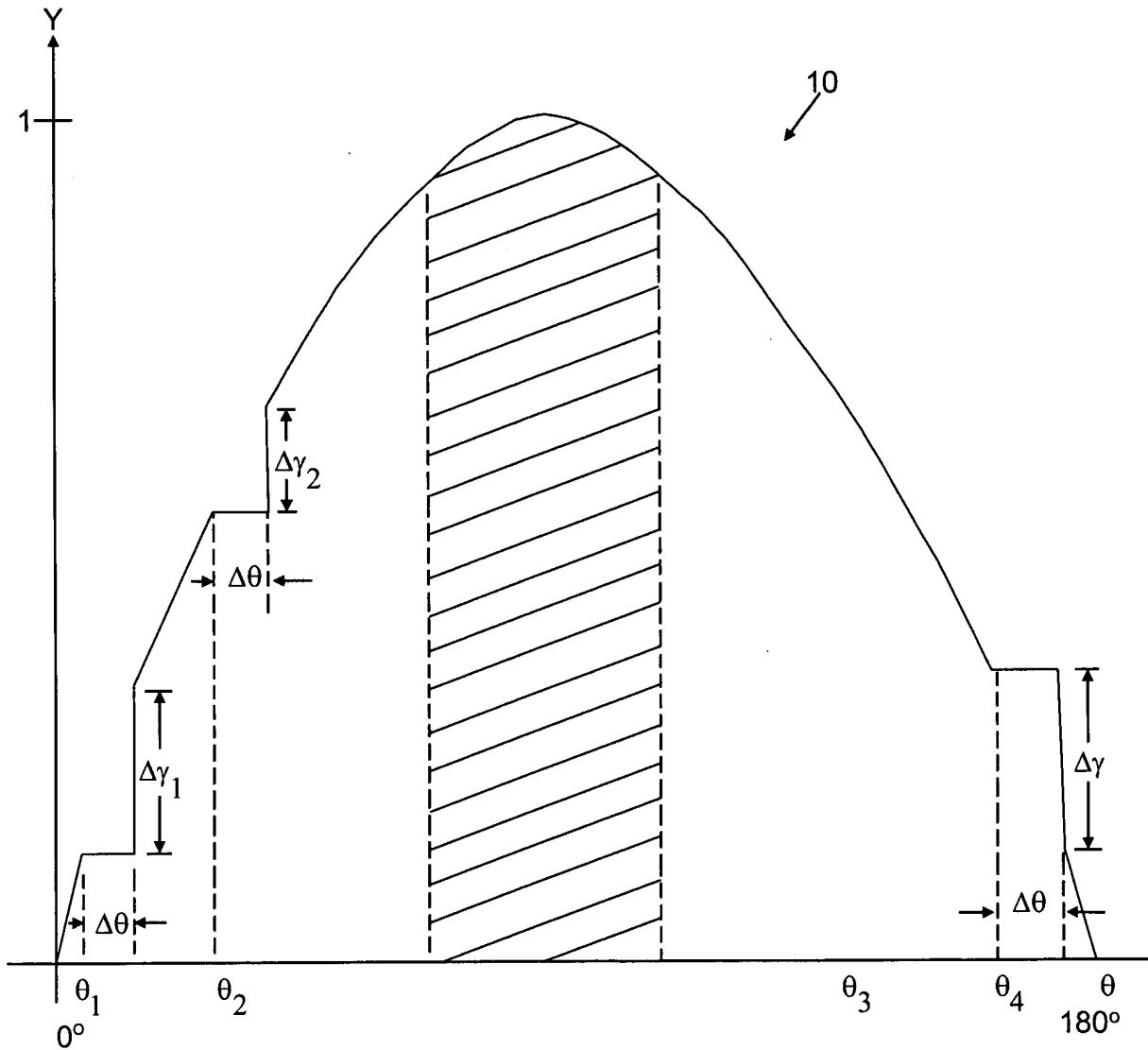


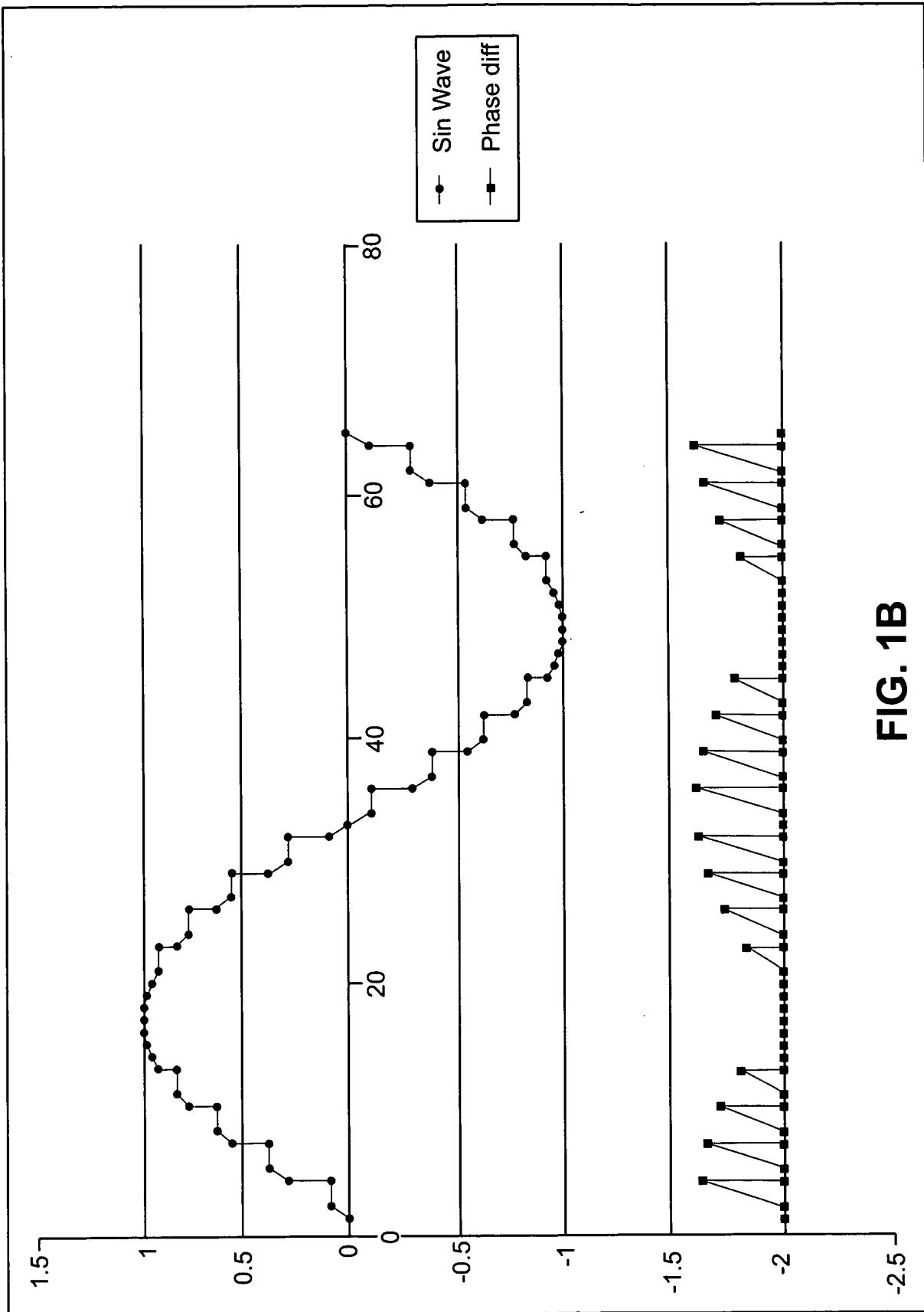


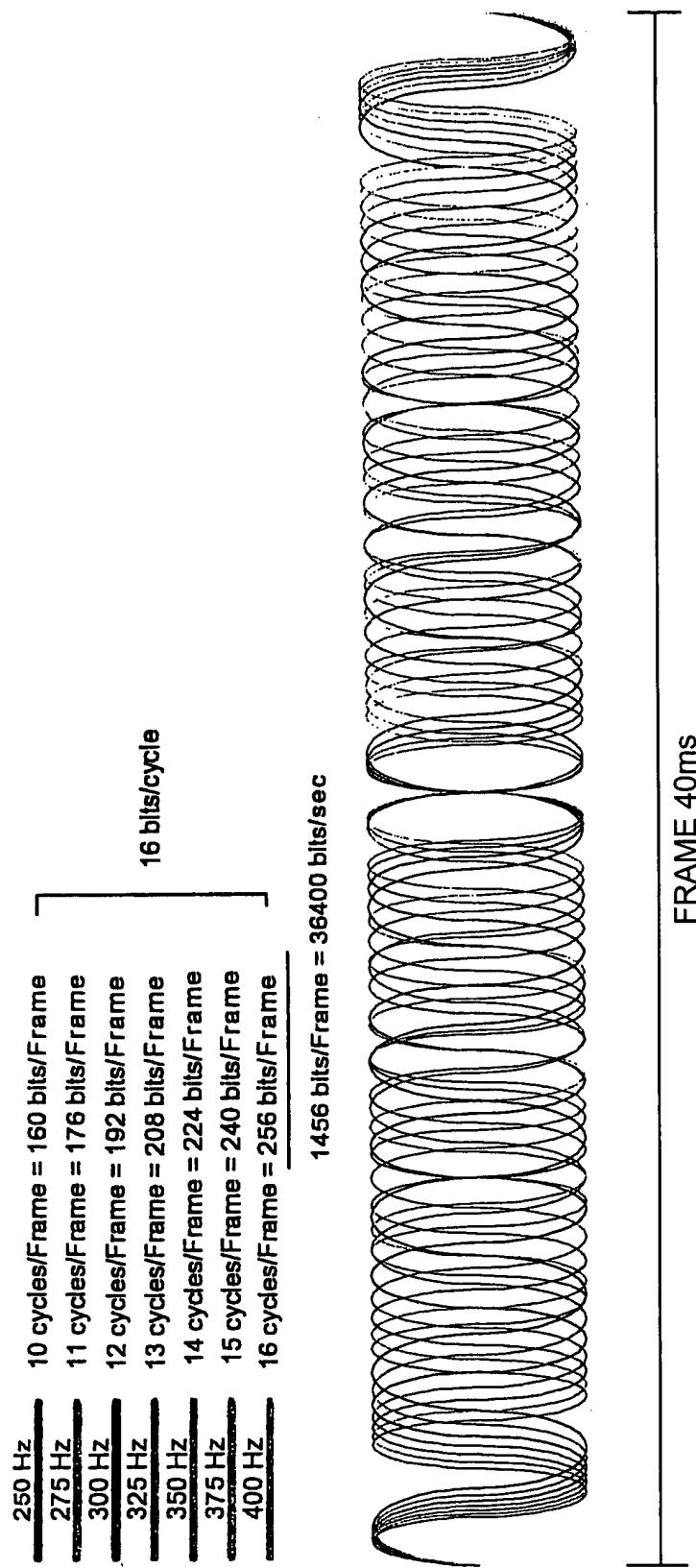
Serial No.: 10/825,789  
Inventor: Brown et al.  
Docket No.: PIPE-001  
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Filed: April 16, 2004  
Title: Single and Multiple Sinewave Modulation and Demodulation Techniques, Apparatus...  
Attorney: Kenneth D'Alessandro  
Sierra Patent Group, Ltd.

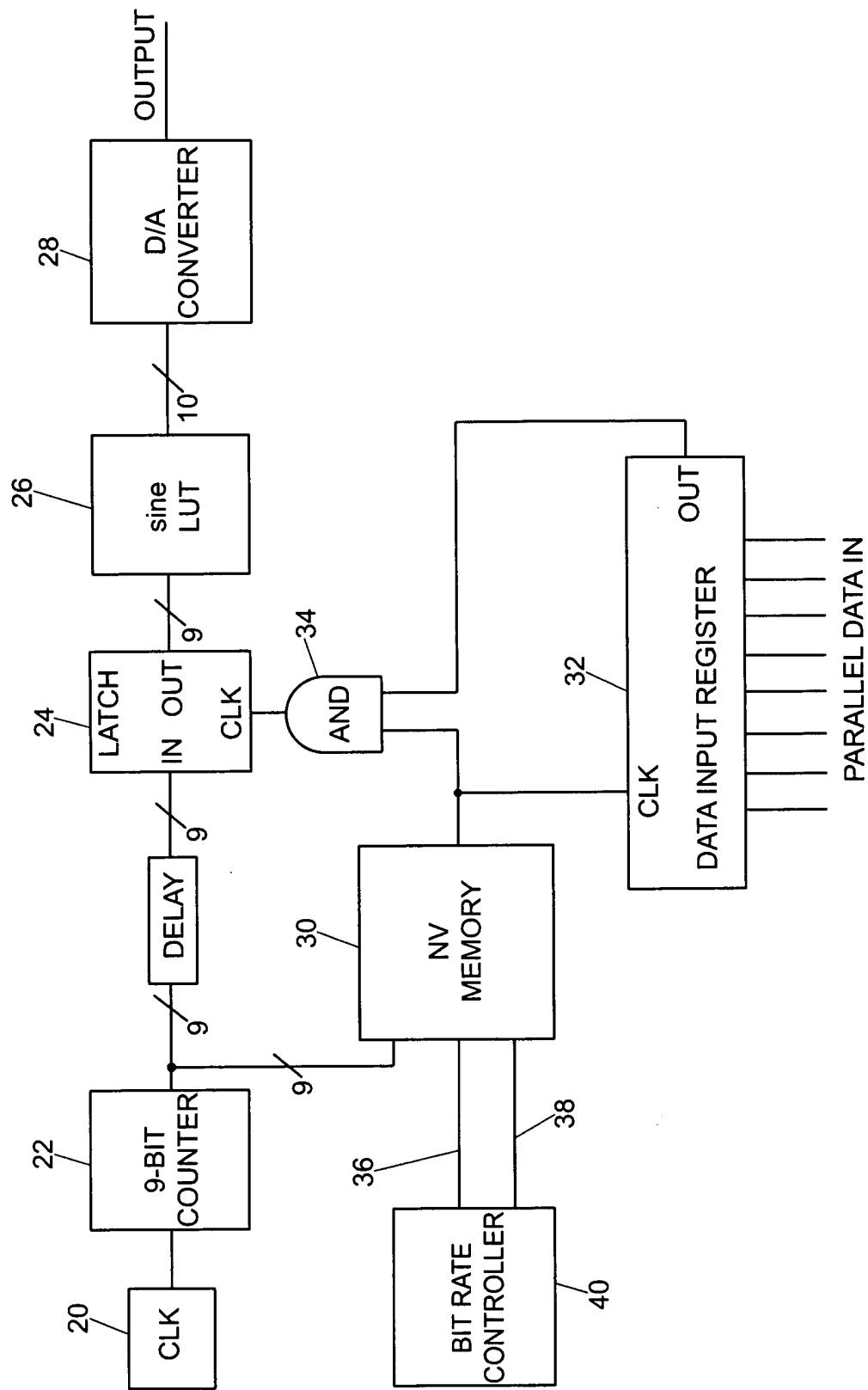


**FIG. 1A**

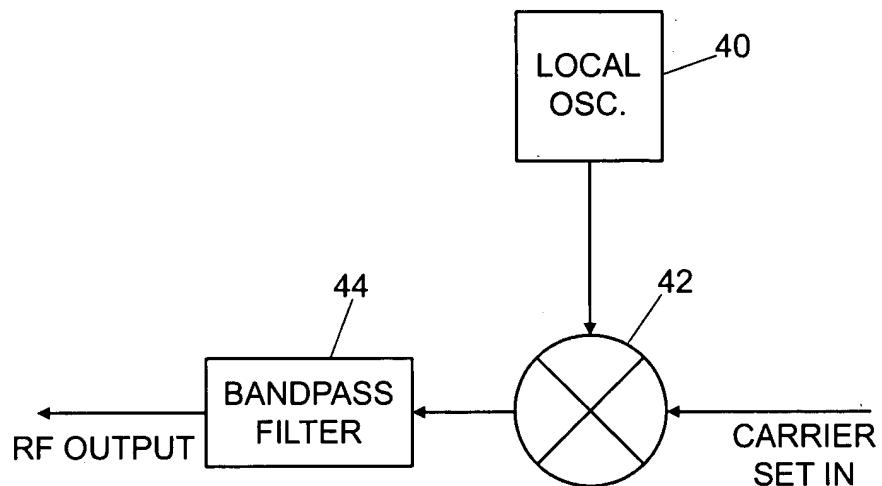




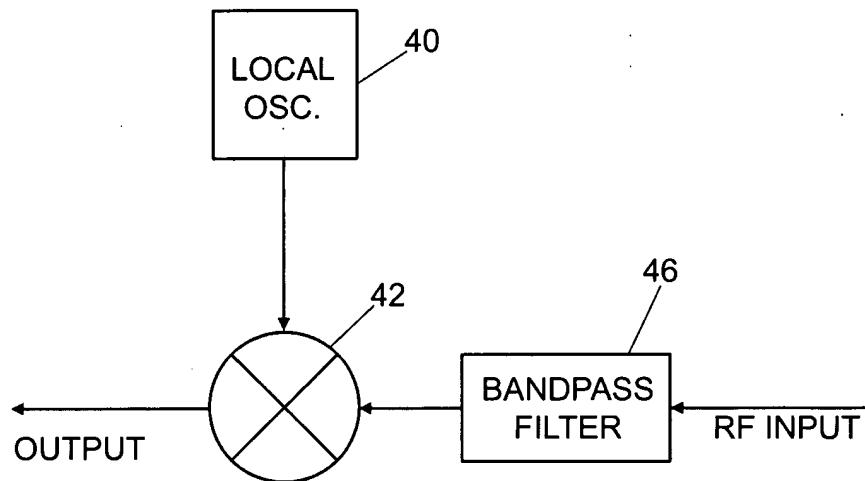
**FIG. 2**



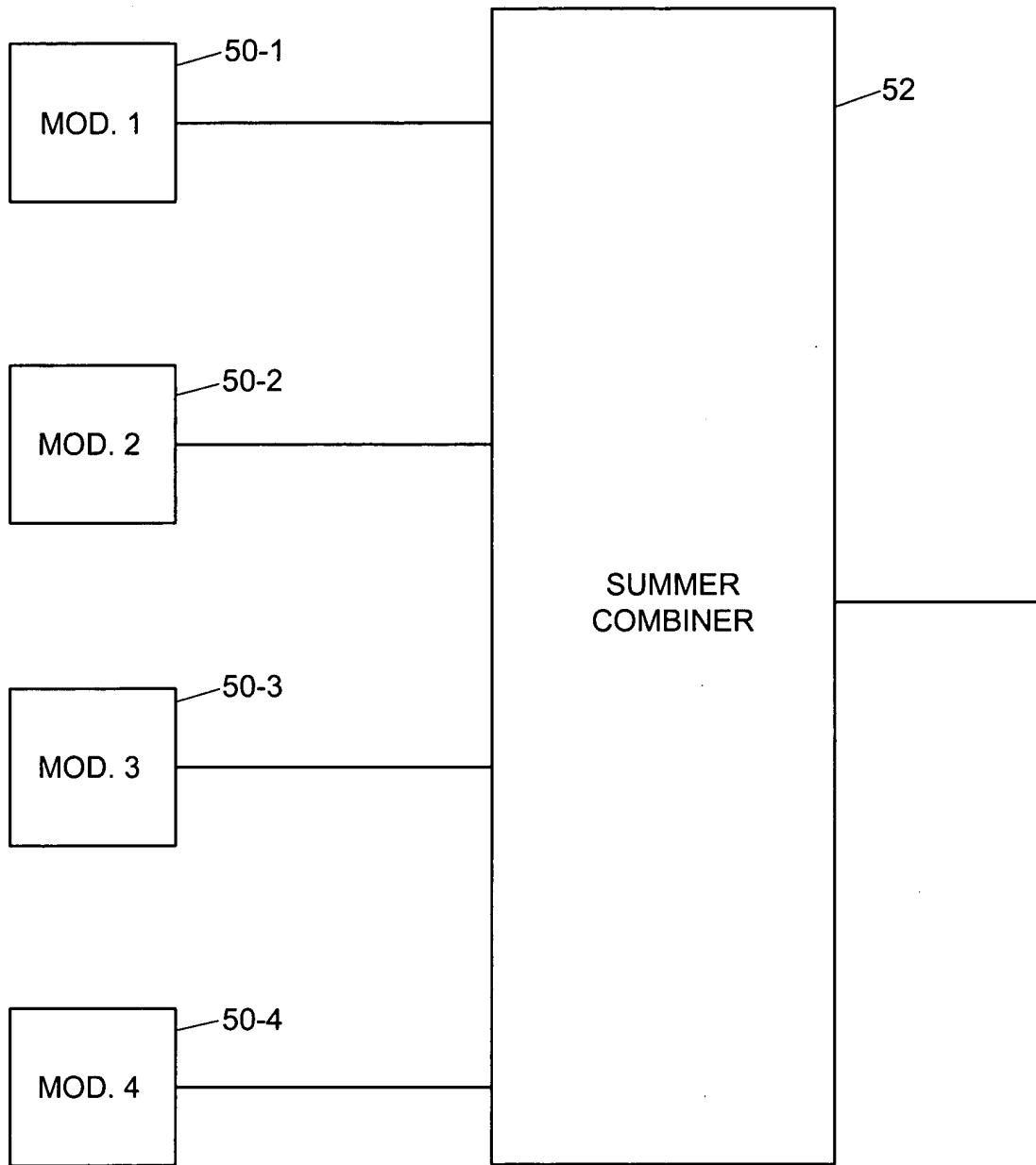
**FIG. 3**



**FIG. 4A**



**FIG. 4B**



**FIG. 5A**

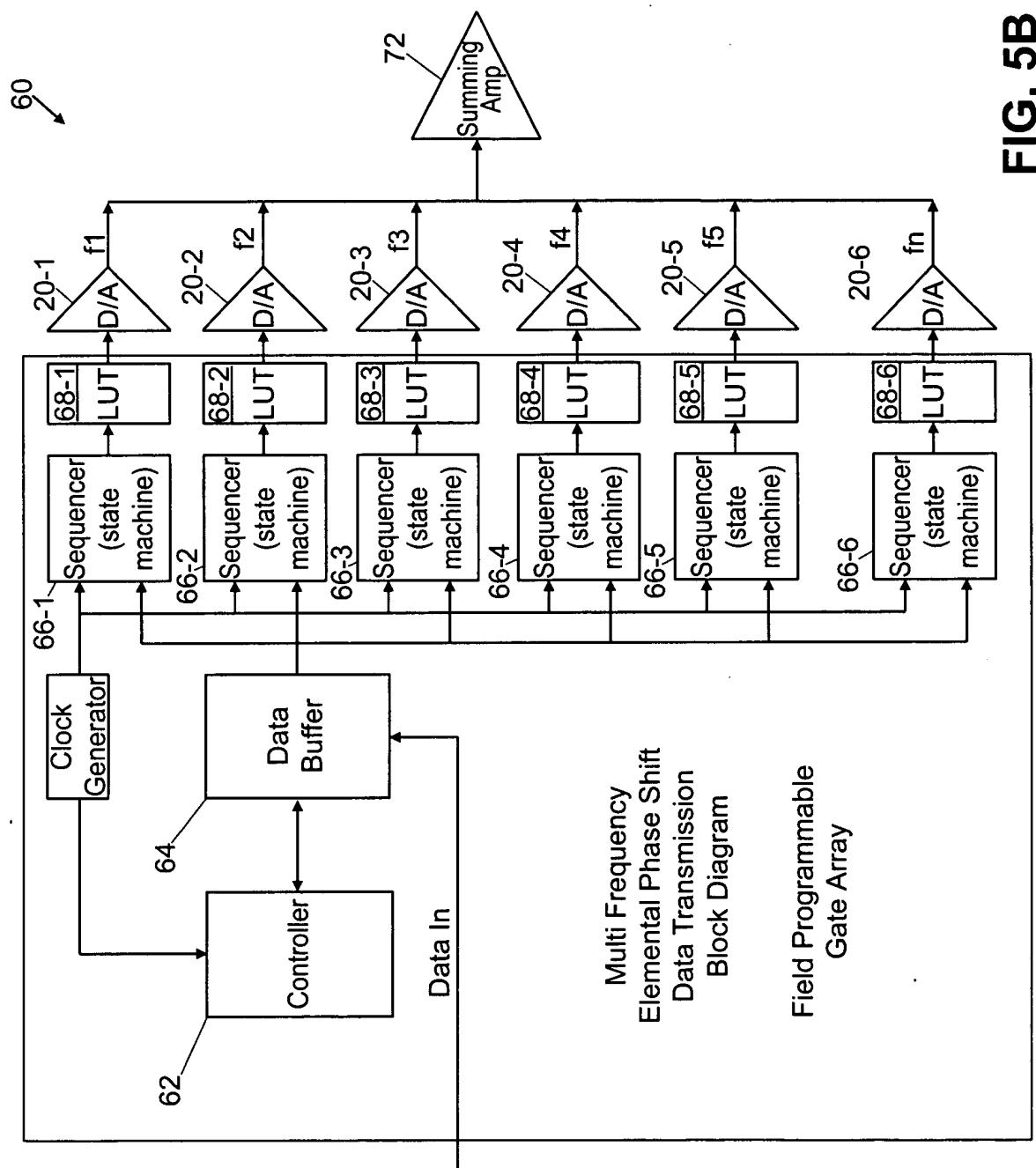
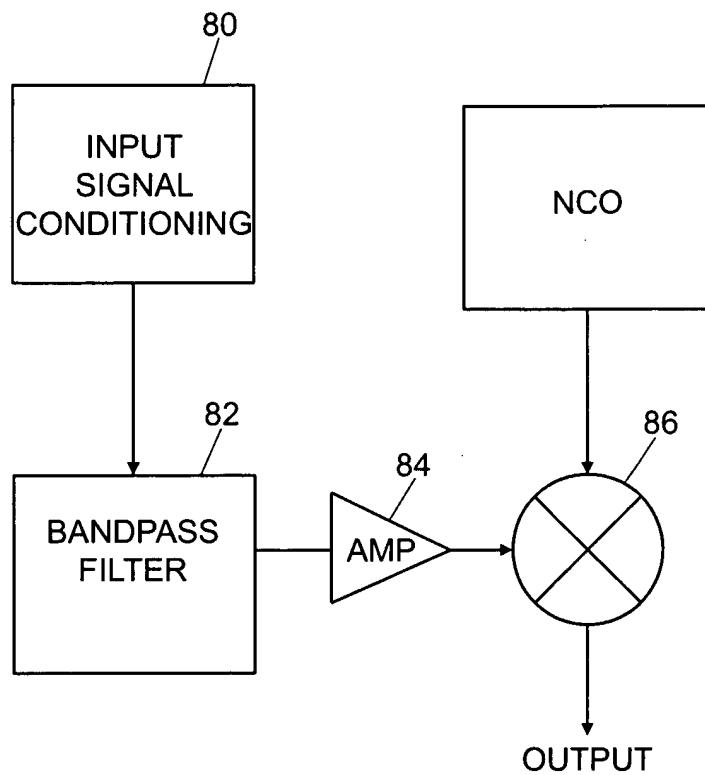
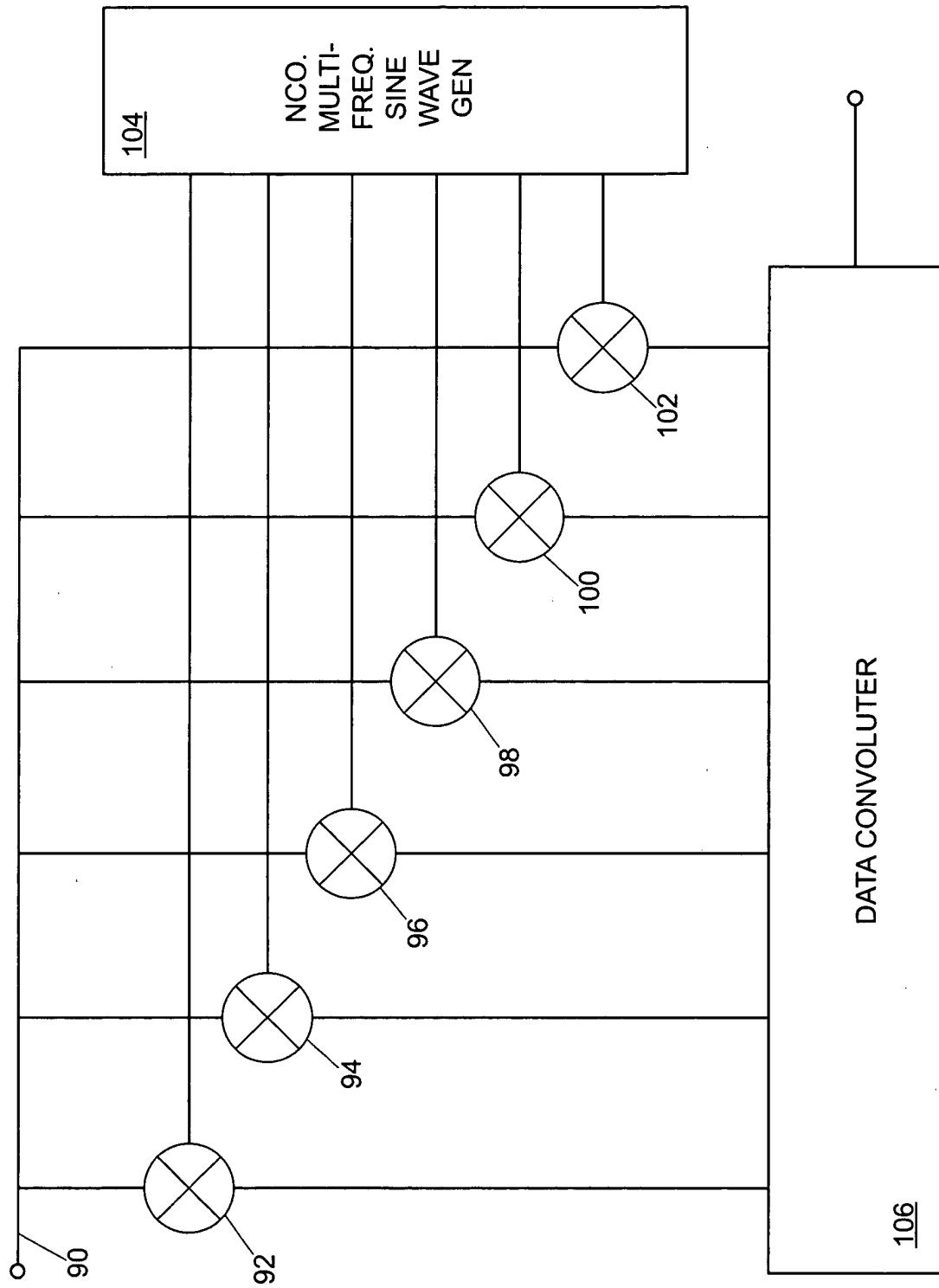


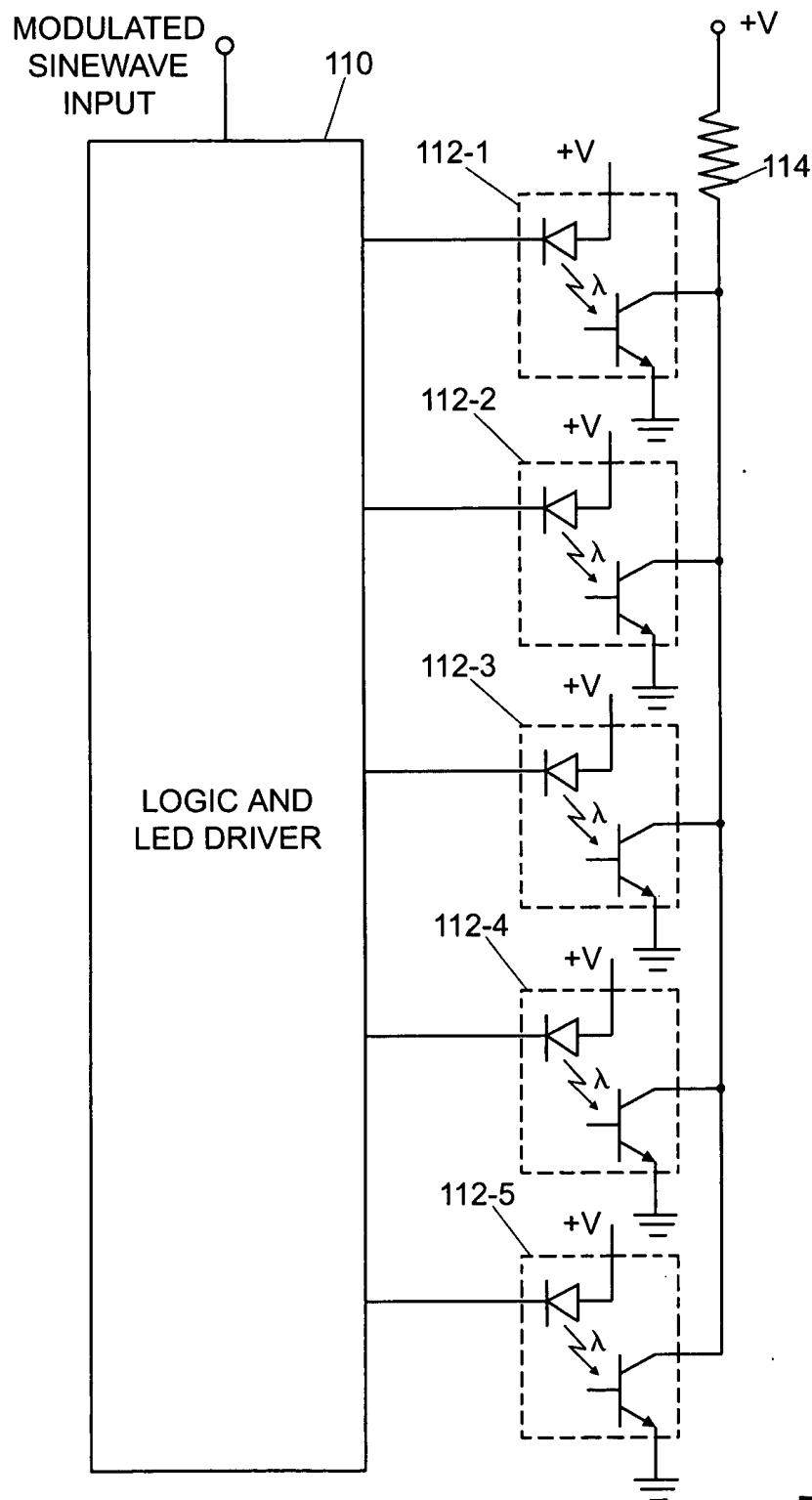
FIG. 5B



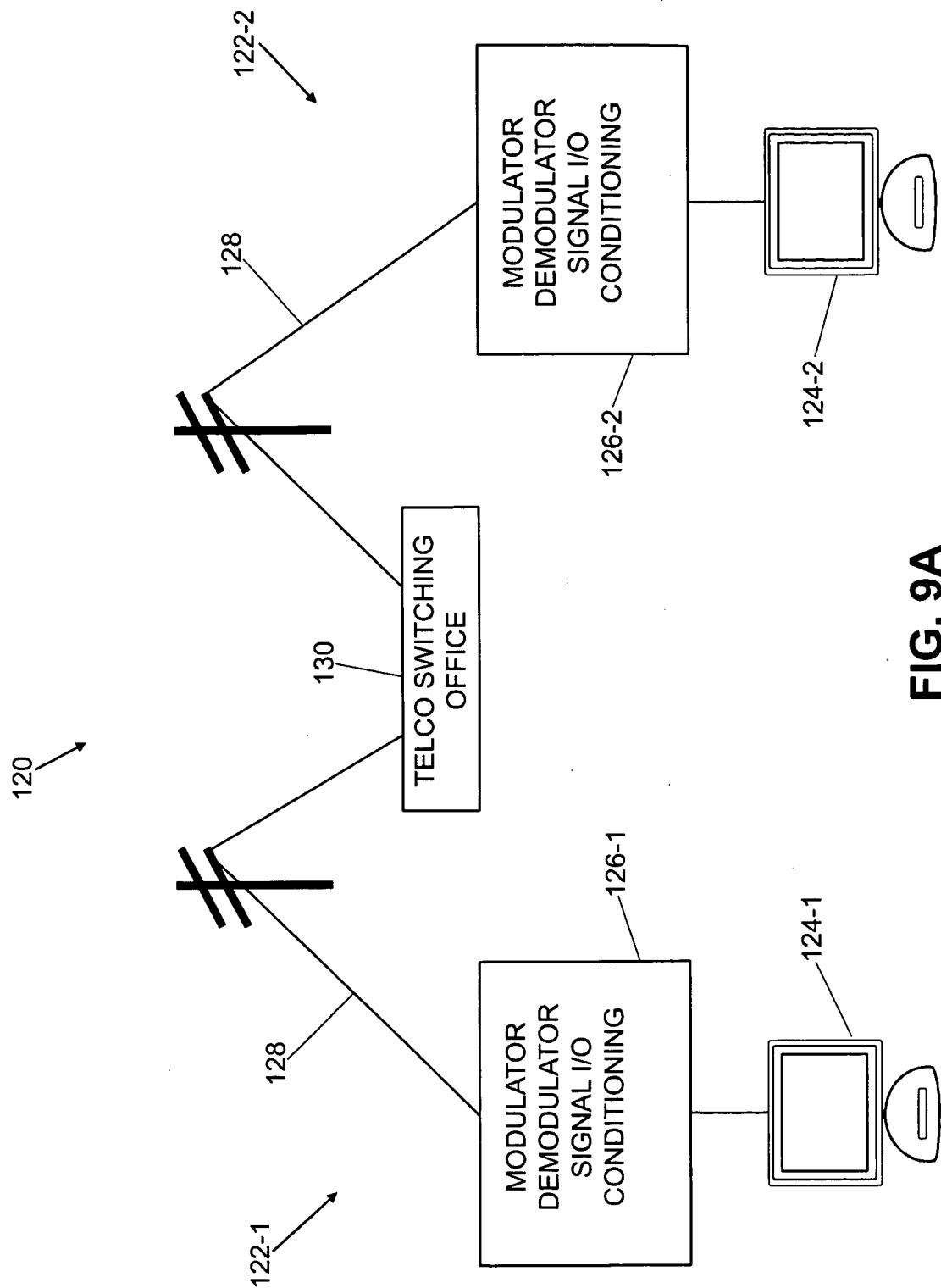
**FIG. 6**



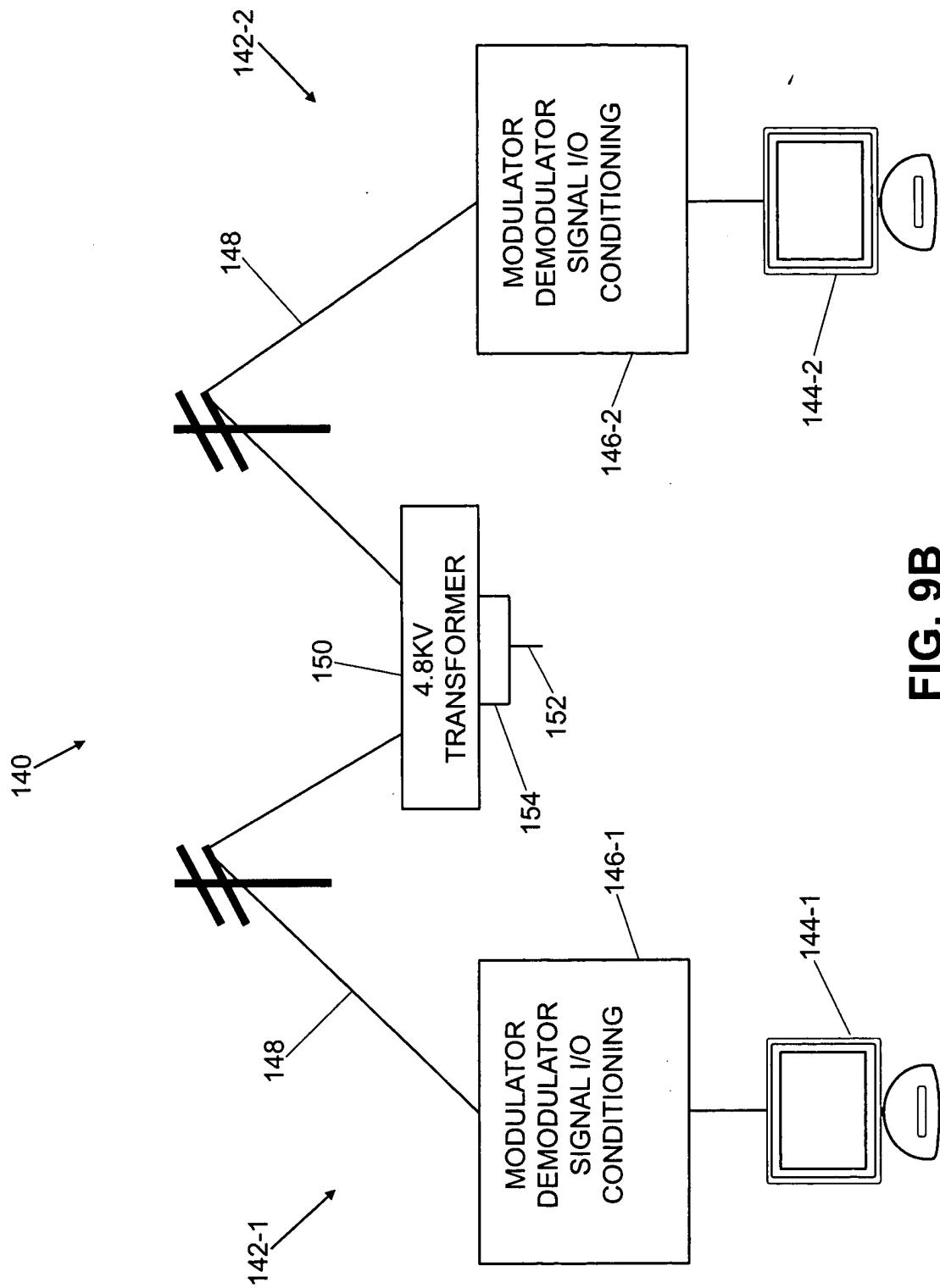
**FIG. 7**

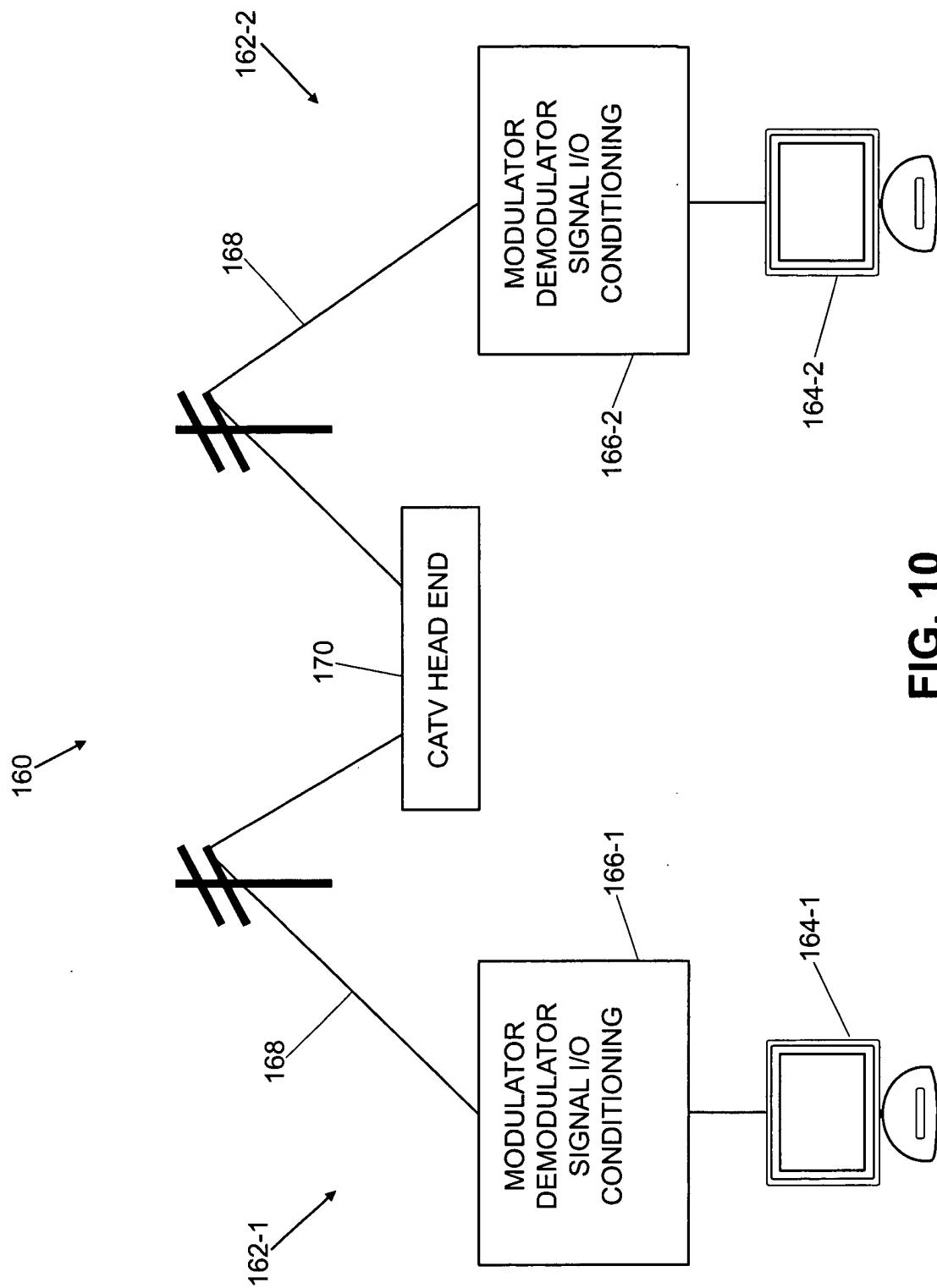


**FIG. 8**

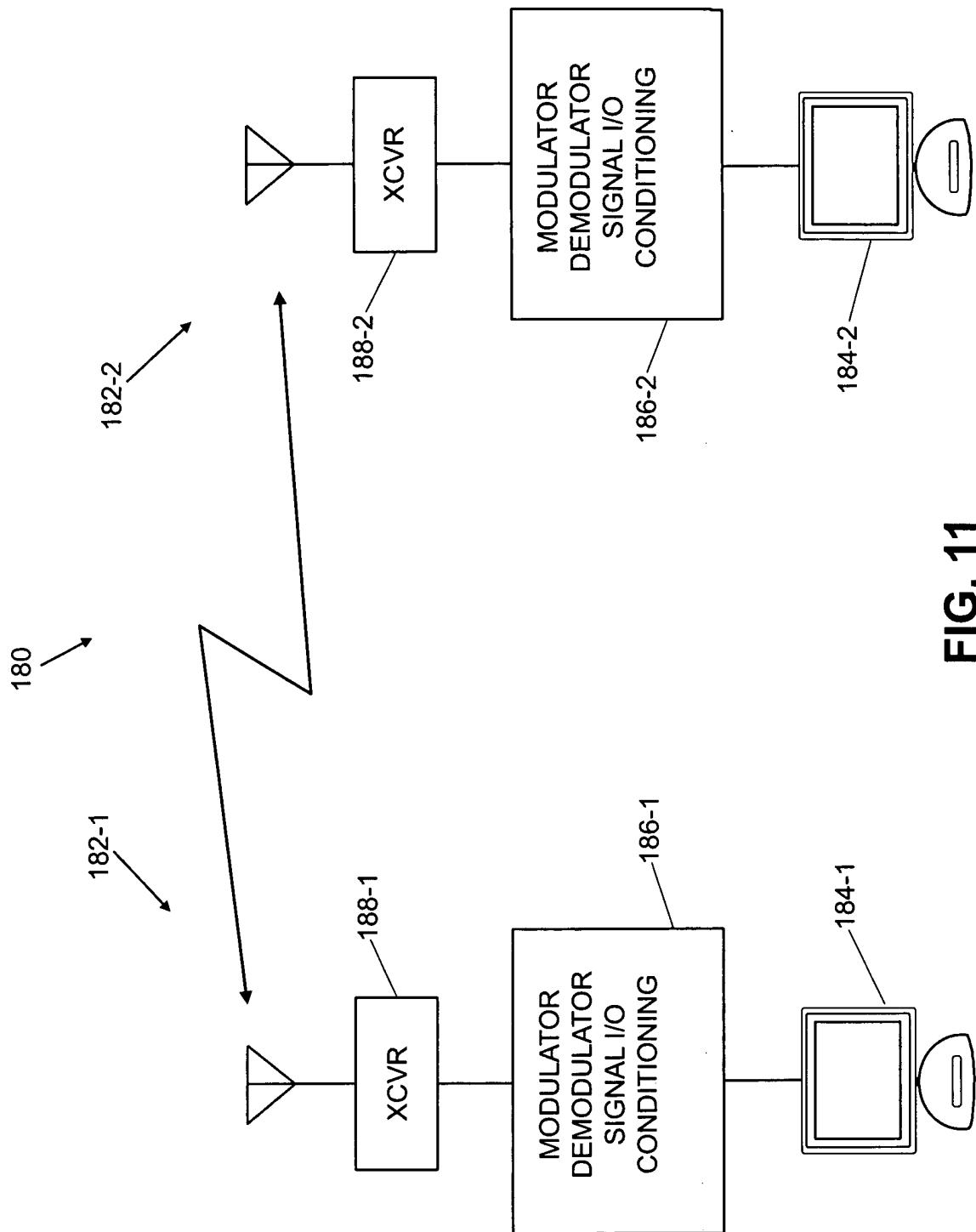


**FIG. 9A**

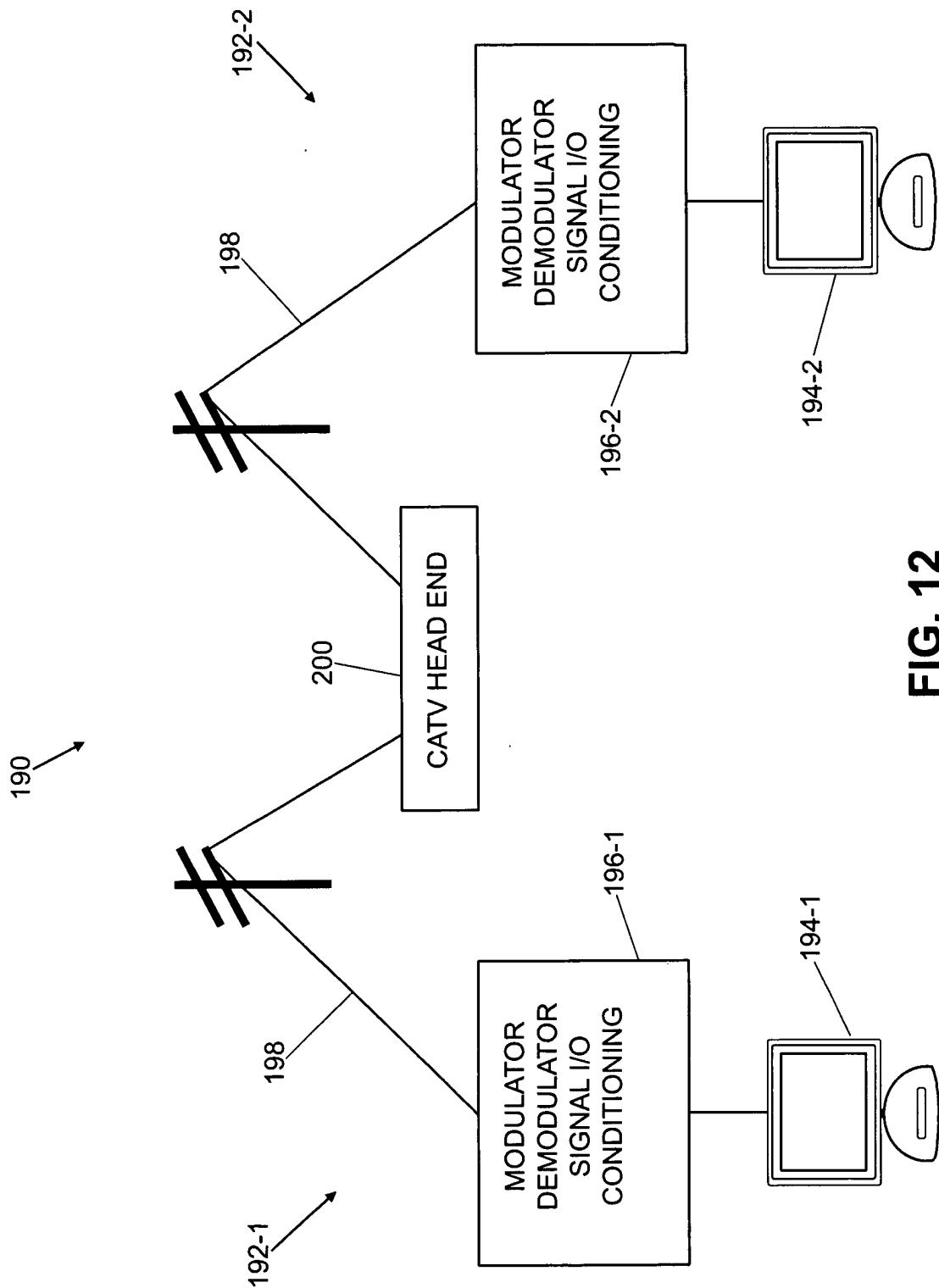




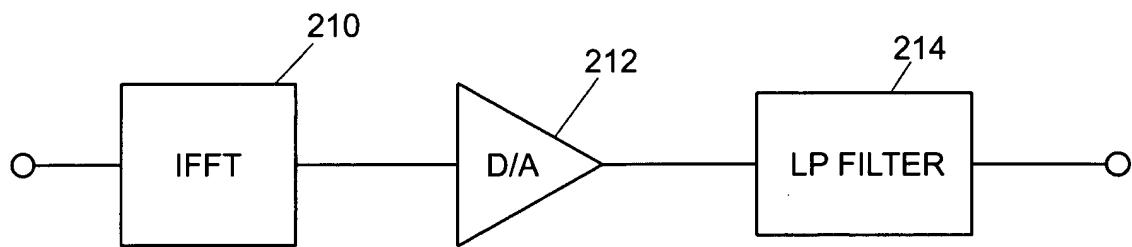
**FIG. 10**



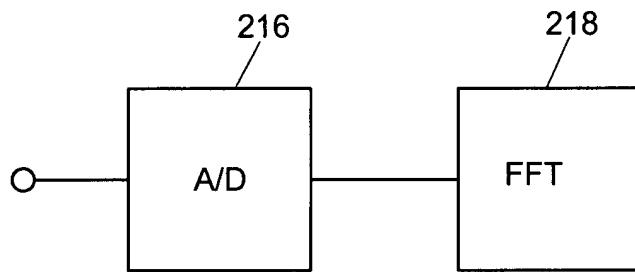
**FIG. 11**



**FIG. 12**



**FIG. 13**



**FIG. 14**

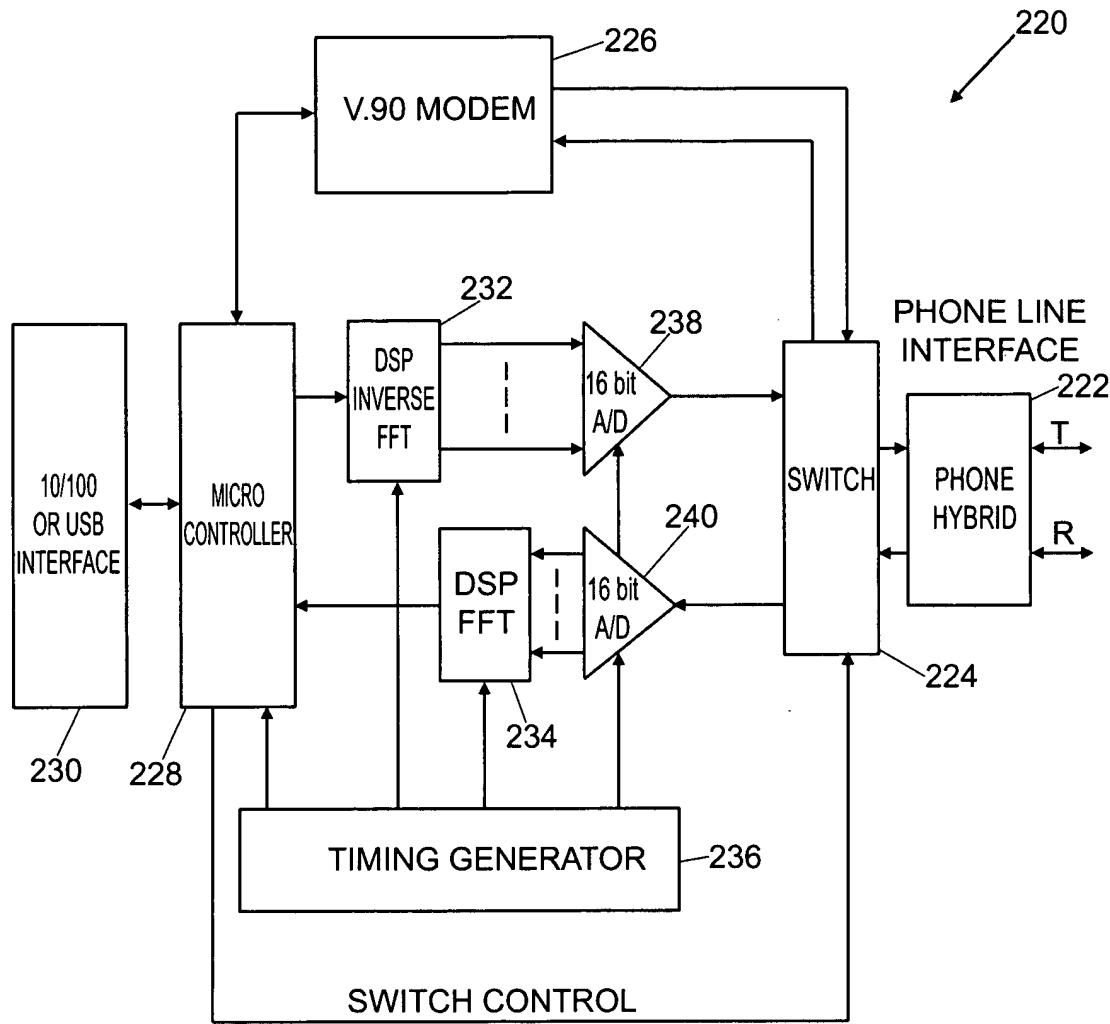
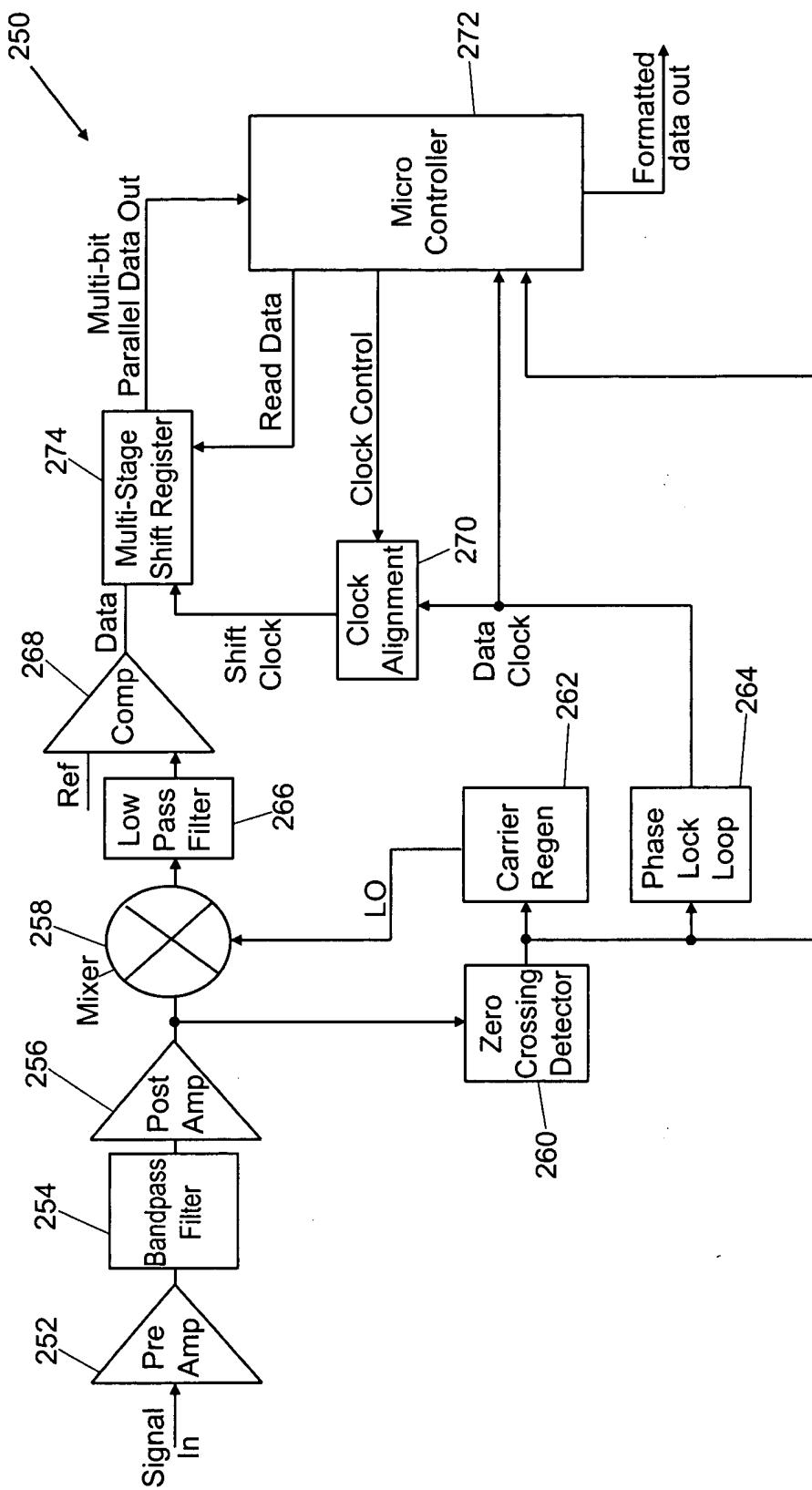


FIG. 15



Multi-bit Sinewave  
Receiver  
Block Diagram

**FIG. 16**